

**15-DAY EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
CALIFORNIA DEPARTMENT OF WATER RESOURCES

REGARDING PROPOSED CHANGES TO
2016 CALIFORNIA PLUMBING CODE (CPC)
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5**

(The State agency shall draft the regulations in plain, straightforward language, avoiding technical terms as much as possible and using a coherent and easily readable style. The agency shall draft the regulation in plain English. A notation shall follow the express terms of each regulation listing the specific statutes authorizing the adoption and listing specific statutes being implemented, interpreted, or made specific. (PART 1 – ADMINISTRATIVE CODE))

Legend for Express Terms:

- 1. Existing California amendment:** California 45-Day language will appear in underlined and ~~strikeout~~.
- 2. Amended, or repealed language:** Amended or repealed 15-Day language will appear in *italics and double underline* and ~~double strikeout~~.
- 3. Rationale:** The justification for the change is shown after each section or series of related changes.
- 4. Notation:** Authority and reference citations are provided at the end of each chapter.

EXPRESS TERMS

1. DWR proposes to adopt the following sections of Chapter 6 of the CPC as follows:

**CHAPTER 6
WATER SUPPLY AND DISTRIBUTION**

601.2 Hot and Cold Water Required....

- 3. ~~(HCD 1 & HCD 2) Recycled water may be allowed as specified in Chapter 16A Part II, and on-site treated nonpotable gray water as specified in Chapter 15, Section 1504 of this code.~~**
(DWR) For all residential buildings occupancies, alternate water sources may be allowed as specified in Chapter 15 of this code in addition to potable water.
- 4. ~~(DWR) For non-residential buildings occupancies, alternate water sources may be allowed as specified in Chapter 15 of this code.~~**
(DWR) For non-residential buildings occupancies, alternate water sources may be allowed as specified in Chapter 15 of this code.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to delete the first sentence with the HCD 1 and HCD 2 banners in Section 601.2 (3), and in Sections 601.2 (3) and (4) to specify the types of buildings where recycled water (an alternate water) may be allowed.

DWR proposes to withdraw the deletion of the first sentence with the HCD 1 and HCD 2 banners in

Section 601.2 (3). After coordination with CBSC and HCD, DWR proposes to modify the term “buildings” to “occupancies” in Sections 601.2 (3) and (4) to provide further clarification where recycled water (an alternate water) may be allowed.

The proposed amendment provides clarity to and consistency for the code user.
There is no intended change in regulatory effect.

601.3.3 Alternate Water Sources. Alternate water source systems, ~~except for recycled water supply systems,~~ shall have a purple (Pantone color No. 512, 522C, or equivalent) background with uppercase lettering and shall be field or factory-marked as follows:

- (1) Gray water systems shall be marked in accordance with this section with the words “CAUTION: NONPOTABLE GRAY WATER, DO NOT DRINK” in black letters.
- ~~(2) Reclaimed (recycled) water systems shall be marked in accordance with this section with the words: “CAUTION: NONPOTABLE RECLAIMED (RECYCLED) WATER, DO NOT DRINK” in black letters.~~
- (2) Reclaimed (recycled) water systems shall be marked in accordance with this section with the words: “CAUTION: NONPOTABLE RECLAIMED (RECYCLED) WATER, DO NOT DRINK” in black letters.
- ~~(3)(2)~~ (3) On-site treated water systems shall be marked in accordance with this section with the words: “CAUTION: ON-SITE TREATED NONPOTABLE WATER, DO NOT DRINK” in black letters.
- ~~(4)(3)~~ (4) Rainwater catchment systems shall be marked in accordance with this section with the words: “CAUTION: NONPOTABLE RAINWATER WATER, DO NOT DRINK” in black letters.

Exception:

(DWR) For recycled water supply systems that are within or a part of a building, the provisions of Section 1503.7 shall apply.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to edit Section 601.3.3 to remove its applicability to recycled water supply systems in order to consolidate the recycled water provisions as much as possible and practical into Section 1503.

After coordination with CBSC and HCD, DWR proposes to withdraw the exception in the introductory paragraph and label the last sentence as an exception. DWR also proposes to reinstate item 2, which will apply to recycled water supply systems that are not “within or a part of a building”. Thus, the original numbering of the items will be restored. Furthermore, DWR incorporated language in the exception to clarify when Section 1503.7 is applicable. This is based on DWR’s authority provided in Water Code Section 13557.

The proposed amendment provides clarity and consistency to the code user.
There is no intended change in regulatory effect.

Authority: Water Code Section: 13557.

Reference(s): Water Code Sections: 13554.

2. DWR proposes to adopt sections 1501 and 1502 of Chapter 15 of the CPC as follows:

**CHAPTER 15
§§1501 and 1502
ALTERNATIVE WATER SOURCES FOR NONPOTABLE APPLICATIONS**

Chapter 15

Intent

The provisions of this chapter are intended to:

1. *Conserve potable water by facilitating greater reuse of laundry, shower, lavatory and similar sources of ~~water~~ discharge, or by the use of alternate water sources, where available. ~~for irrigation and/or indoor use.~~*
2. *Reduce the number of non-compliant gray water systems by making legal compliance easily achievable.*
3. *Provide guidance for avoiding potentially unhealthful conditions.*
4. *Provide an alternative way to relieve stress on a private sewage disposal system by diverting the graywater.*

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to clearly and accurately communicate the goals and intentions of the regulations: to conserve potable water and to recognize use of alternate water sources. To this aim DWR added the word “water” to describe the type of discharge in the Intent section.

After coordination with CBSC and HCD, DWR proposes to withdraw the adjective “water”.

The proposed amendment provides consistency between the express terms of the coordinating agencies and provides clarity to the code user.
There is no intended change in regulatory effect.

1501.1 Applicability. ~~(HCD 1) Except as otherwise provided for in this chapter, the provisions of this code shall be applicable to alternate water source system installation. (BSC & HCD 1)~~ The provisions of this chapter shall apply to the construction, alteration, *discharge*, use and repair of alternate water source systems for nonpotable applications.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to delete the first sentence with the HCD 1 and BSC banners in Section 1501.1.

After coordination with CBSC and HCD, DWR proposes to withdraw the proposed deletion to language with the HCD 1 and BSC banner as the deletion was inadvertent and not within the DWR authority.

The proposed withdrawal corrects an inadvertent error in formatting.
There is no intended change in regulatory effect.

1501.5 Maintenance and Inspection. Alternate water source systems and components shall be inspected and maintained in accordance with *the manufacturer's recommendations and/or as required by*

the Enforcing Agency Authority Having Jurisdiction.

~~(BSC, HCD 1) Where no manufacturer's recommendations exist, additional recommendations are listed in Table 1501.5.~~

Exception: (DWR) Recycled water supply systems that are within or a part of a building shall comply with Section 1503.15.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to delete the first sentence with the HCD 1 and BSC banners in Section 1501.1.

After coordination with CBSC and HCD, DWR proposes to withdraw the proposed deletion of language with the BSC banner as the deletion was inadvertent and not within the DWR authority. Additionally DWR proposes to add clarification that Section 1503.15 applies to recycled water systems that are within or a part of a building consistent with DWR's authority provided in Water Code Section 13557.

The proposed amendment provides clarity to and consistency for the code user. The withdrawal corrects an inadvertent error.

There is no intended change in regulatory effect.

1501.6 Operation and Maintenance Manual. An operation and maintenance manual for gray water, and on-site treated ~~nonpotable gray water, and recycled water supply~~ systems required to have a permit in accordance with Sections 1501.3, ~~1503.2 and 1504.2~~ shall be supplied to the building owner by the system designer ~~or installer~~. The operating and maintenance manual shall include the following:

- (1) ~~Diagram(s)~~ of the entire system and the location of system components.
- (2) Instructions on operating and maintaining the system.
- (3) ~~Instructions~~ on maintaining the required water quality ~~for on-site treated nonpotable water systems~~.
- (4) Details on ~~startup, shutdown, and~~ deactivating the system for maintenance, repair, or other purposes.
- (5) Applicable testing, inspection, and maintenance frequencies in accordance with ~~Section 1501.5 or Section 1503.15 as applicable~~.
- (6) A method of contacting the ~~installer and/or~~ manufacturer(s).
- (7) ~~Directions to the owner or occupant that the manual shall remain with the building throughout the life cycle of the structure.~~

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to add language applying the same standards for specified alternate water source systems including recycled water systems, and to point to the code section dealing with recycled water. DWR added the adjective "gray" with the intention to describe and clarify the type of nonpotable water in Section 1501.6.

After coordination with CBSC and HCD, DWR proposes to withdraw the adjective "gray" to expand the scope to any on-site treated nonpotable water.

The proposed amendment provides consistency between the express terms of the coordinating agencies and provides clarity to the code user.

There is no intended change in regulatory effect.

1501.10 Signage

~~For the purposes of on-site treated nonpotable gray water Sections 1501.10.1 and 1501.10.2 shall apply.~~

~~For the purposes of reclaimed (recycled) water Section 1503.12 shall apply.~~

Signage for on-site treated nonpotable gray water shall comply with Sections 1501.10.1 and 1501.10.2.

Signage for recycled water supply system that is within or a part of a building shall comply with Section 1503.12.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to create a new Section 1501.10 titled Signage for organizational clarity and to reference the parallel codes in Sections 1501.10.1, 1501.10.2, and 1503.12.

After coordination with CBSC and HCD, DWR proposes to match the language referencing other sections to the other two agencies' proposed language, which is similar and has the same meaning. Furthermore, DWR has added language to clarify when Section 1503.12 is applicable.

The proposed amendment provides consistency between the express terms of the coordinating agencies and provides clarity to the code user.
There is no intended change in regulatory effect.

1501.11 Inspection and Testing. Alternate water source systems shall be inspected and tested in accordance with Section 1501.11.1 and Section 1501.11.2, *and/or as required by the Authority Having Jurisdiction.*

Exception: (DWR) Recycled water supply systems that are within or a part of a building shall comply with Section 1503.13.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to add an Exception referencing the code dealing with recycled water in Section 1503.13.

After coordination with CBSC and HCD, DWR proposes to add language to clarify that section 1503.13 applies to recycled water systems that are within or a part of a building consistent with DWR's authority provided in Water Code Section 13557.

The proposed amendment provides clarity to the code user.
There is no intended change in regulatory effect.

1502.3 Connections to Potable and Reclaimed (Recycled) Water Supply Systems. Gray water systems shall have no ~~unprotected direct~~ connection to a potable water supply, on-site treated nonpotable ~~gray~~ water supply, or ~~reclaimed (recycled) water~~ supply systems.

Exceptions:

- (1) Potable water, on-site treated nonpotable graywater, reclaimed (recycled) water, or rainwater is permitted to be used as makeup water for a non-pressurized ~~storage tank nonpotable graywater~~ storage tank provided the connection is protected by an air gap, ~~reduced pressure principal backflow preventer, or other physical device which prevents backflow~~ in accordance with this code.
- (2) A potable water supply may be connected temporarily for initial testing of the untreated graywater system as provided in Section 1501.11.2.2.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to language that provides the conditions necessary to prevent backflow of the untreated graywater into the higher

quality water line.

After coordination with CBSC and HCD, DWR proposes to not use the adjective “gray” to expand the applicability to all on-site treated nonpotable water supply, and to not add the adjective “nonpotable graywater”.

The proposed amendment provides consistency between the express terms of the coordinating agencies and provides clarity to the code user.

There is no intended change in regulatory effect.

Authority: Water Code Section: 13557.

Reference(s): Water Code Sections: 13557.

3. DWR proposes to adopt sections 1503 and 1504 of Chapter 15 of the CPC as follows:

CHAPTER 15
§§1503 and 1504
ALTERNATIVE WATER SOURCES FOR NONPOTABLE APPLICATIONS

1503.0 Reclaimed (Recycled) Water Supply Systems for Buildings.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to change the title to clarify the scope of this section to be consistent with DWR's authority provided in Water Code Section 13557, which states that DWR shall adopt design standards "to safely plumb buildings with both potable and recycled water systems."

After coordination with CBSC and HCD, DWR proposes to modify the term "for" to "in" of the Section 1503 title to provide further clarification that this section applies to recycled water supply systems within or a part of a building.

The proposed amendment provides clarity to the code user.
There is no intended change in regulatory effect.

1503.1 General. The provisions of ~~this section~~ Sections 1503.0 through 1503.15.1 shall apply to safely plumb buildings with both potable and recycled water supply systems. Unless otherwise specified in this code, the general provisions applying to alternate water systems pursuant to Section 1501.0 through 1501.14 shall apply to recycled water supply systems. The provisions in this section encompass the installation, construction, alteration, and repair of ~~reclaimed (recycled) water supply systems that are within or a part of a building and receive~~ reclaimed (recycled) water provided by from a water/wastewater utility. When dealing with recycled water supply systems, the Authority Having Jurisdiction and Enforcing Agency may include the recycled water purveyor or potable water purveyor in accordance with their respective statutory authority and responsibility as provided on their respective permits for supplying water.

1503.1.1 Allowed Uses. ~~Allowed intended to supply uses shall include such as water closets, urinals, trap primers for floor drains and floor sinks, aboveground and subsurface irrigation, industrial or commercial cooling or air conditioning and other uses as generally allowed in the California Code of Regulations, Title 22, Division 4, Chapter 3 paragraph (1) and specifically allowed in paragraph (2) below, approved by the Authority Having Jurisdiction.~~

~~(1) Recycled water uses that are generally allowed are specified in the California Code of Regulations, Title 22, Division 4, Chapter 3.~~

~~(2) Recycled water uses that are allowed from any particular wastewater treatment facility are specified in the permit for the facility producing or supplying the reclaimed for (recycled) water issued by the State Water Resources Control Board or Regional Water Quality Control Board.~~

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to bring forward content from Chapter 16A, Section 1613A.0(A) to Chapter 15, Section 1503.1 with amendment for consistency. This section initially listed the scope of activities related to recycled water source systems governed by this chapter, as well as the allowed beneficial uses.

After coordination with CBSC and HCD, DWR proposes to split section 1503.1 into 1503.1 and 1503.1.1

to separate the description of the scope of the section from the allowed uses. DWR added language in 1503.1 to clarify that the scope of the section pertains to systems that are within or a part of a building consistent with DWR's authority provided in Water Code Section 13557. DWR also added directive language in the allowed uses. Finally, in response to public comment, DWR added clarifying language regarding the Authority Having Jurisdiction and Enforcing Agency.

The proposed amendment provides clarity to the code user.
There is no intended change in regulatory effect.

1503.1.42 Structures Allowed for Toilet and Urinal Flushing. *In accordance with Water Code Section 13553, reclaimed (recycled) water shall be allowed for toilet and urinal flushing in certain structures. These structures include commercial, retail and office buildings, theaters, auditoriums, condominium projects, schools, hotels, apartments, barracks, dormitories, jails, prisons, reformatories, and other structures as determined by the State Water Resources Control Board.*

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to bring forward content from Chapter 16A: Section 1615A.0 for allowable structures, and Section 1613A.0(A) for allowable sanitary flushing into Chapter 15 Section 1503.1.1.

As a result of the creation of the new section 1503.1.1, DWR proposes to change the previously numbered 1503.1.1 to 1503.1.2. DWR proposes to change the title to clarify the subject of the section. DWR added directive language.

The proposed amendment provides clarity to the code user.
There is no intended change in regulatory effect.

1503.4 Connections to Potable or Reclaimed (Recycled) Water Supply Systems. ~~Reclaimed~~ ~~(+Recycled)~~ water supply systems shall have no direct connection to a potable water supply or alternate water source system.

Exceptions:

- (1) Potable water is permitted to be used as makeup water for a reclaimed (recycled) water storage tank provided the *potable* water supply inlet is protected by an air gap or ~~reduced-pressure principle backflow preventer~~ in accordance with this code.
- (2) A potable water supply may be connected temporarily for initial testing of the recycled water supply system as provided in Section 1503.13.2.2. Prior to temporarily connecting the potable line to the recycled water supply system for initial testing purposes, the potable line must have a reduced-pressure principle backflow preventer installed.
- (3) Reclaimed (recycled) water is permitted to be used as makeup water for an alternate water source system provided the recycled water supply system is protected by an air gap in accordance with this code.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to bring forward content from Chapter 16A: Section 1613A.0(A) to protect the water quality of the water supply.

As a result of comments received on the 45-Day Express Terms and in consultation with State Water Resources Control Board, DWR proposes to add a requirement to Exception (2) that the potable water be

protected by a reduced-pressure principle backflow preventer. This is required by the SWRCB in Title 17, CCR, to prevent contamination of the potable water supply. During the initial test of the system, the potable water is used to test the integrity of the system before the recycled water has been connected to system. However, if subsequent to the test the recycled water is connected while the potable water line is inadvertently still connected, the backflow preventer will prevent accidental cross contamination of the potable water.

The proposed amendment necessary to protect the quality of the potable water supply for public health protection.

There is no intended change in regulatory effect as this is already required and is common practise.

1503.9 Hose Bibbs. Hose bibbs shall not be allowed on reclaimed (recycled) water piping systems located in areas accessible to the public. ~~Access to reclaimed (recycled) water at points in the system accessible to the public shall be through a quick-disconnect device~~ Only quick couplers that differs from those installed on the potable water system shall be used on the recycled water piping system in areas subject to public access. ~~Hose bibbs~~ Quick couplers supplying reclaimed (recycled) water shall be marked with the words: "CAUTION: NONPOTABLE RECLAIMED RECYCLED WATER, DO NOT DRINK," and one of the symbols in Figure 1503.9.

Exception:

In accordance with Health and Safety Code Section 8117 and 8118, hose bibbs are approved for use in cemeteries supplied with reclaimed (recycled) water. A hose bibb in an area subject to access by the general public shall be equipped with a sign marked "CAUTION: NONPOTABLE RECYCLED WATER, DO NOT DRINK," and one of the symbols in Figure 1503.9.

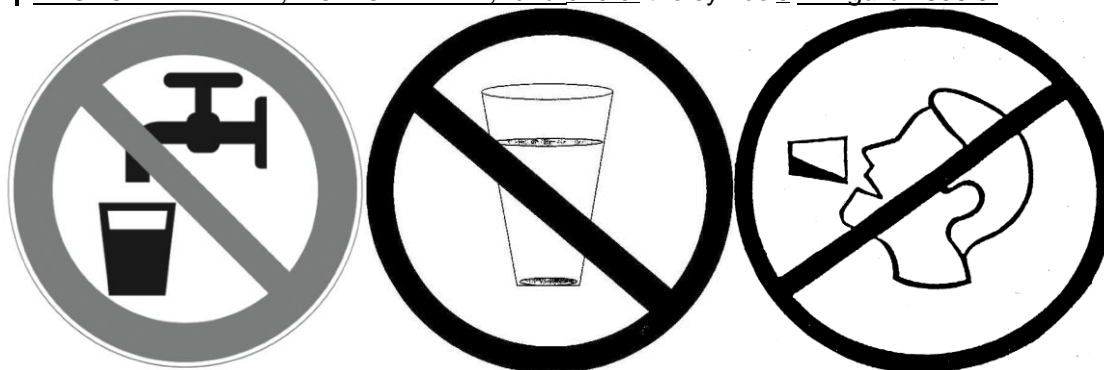


FIGURE 1503.9

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to bring forward content from Chapter 16A: Section 1616A.0 to prevent unauthorized outdoor use of recycled water and to align the standards with current statutory requirements for cemeteries.

As a result of comments received during the 45-Day Public Period and in consultation with the State Water Resources Control Board, DWR proposes to add two alternative symbols to caution people against drinking recycled water from hose bibbs.

The proposed amendment provides public health protection by warning people against drinking recycled water intended for nonpotable use.

There is no intended change in regulatory effect.

1503.13.2 Cross-Connection Inspection and Testing. An initial visual inspection and cross-connection test shall be performed on both the potable and recycled water supply systems before the initial operation of the reclaimed (recycled) water source system. During an initial or subsequent cross-connection test, the potable and reclaimed (recycled) water source system shall be isolated from each other and independently inspected and tested to ensure there is no cross-connection in accordance with Section 1503.13.2.2. Initial or subsequent inspections or tests shall be performed in accordance with Section 1503.13.2.1 through Section 1503.13.2.4. The inspection and testing shall be performed by a cross-connection control specialist certified by the California-Nevada section of the American Water Works Association or an organization with equivalent certification requirements.

- (1) Written reports of cross-connection inspections and testing shall be performed as provided in California Code of Regulations, Title 22, Section 60316.
- (2) A cross-connection test pursuant to Section 1503.13.2.2 shall be performed on the premises of a recycled water supply system when there is material reason to believe that the potable water system or recycled water supply system separation from another water supply has been compromised. A material reason to believe that the system has been compromised may be based on, but is not limited to, evidence gathered (a) during a visual inspection performed pursuant to Section 1503.13.2.1, ~~or~~ (b) as a result of an inspection performed following complaints of water quality or flow conditions consistent with a compromised system, or (c) during a visual inspection that indicates that the reclaimed (recycled) water supply system has been modified.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to bring forward Section 1620A.0(B)(2) in Chapter 16A to Section 1503.13.2 of Chapter 15. This section is consistent with Title 22 requirements related to testing and inspection. Chapter 16A contains criteria for determining that there is a material reason to believe that a system has been compromised. The requirement to use certification by the California-Nevada section of the American Water Works Association, or an organization with equivalent certification requirements, is taken from Title 22 section 60316(a).

After coordination with CBSC and HCD, DWR proposes to add the clarifying adjectives of “visual” and “cross-connection” to the first sentence. Comment has been received that certification organizations in addition to the California-Nevada section of the American Water Works Association should be listed. After consultation with the State Water Resources Control Board (State Water Board), DWR proposes not to add additional organizations at this time. The State Water Board is anticipating revising cross-connection control regulations during fiscal year 2017-2018. DWR will coordinate any changes in certification organizations with the State Water Board in a future CPC adoption cycle. The current latitude for other organizations to be approved by local authorities will remain in place. DWR proposes to move item (4) in section 1503.13.2.1 to a more appropriate location at the end of item (2) in section 1503.13.2.

The proposed amendment provides clarity to the code user.
There is no intended change in regulatory effect.

1503.13.2.1 Visual System Inspection. ~~Prior to commencing the cross-connection testing, a~~ A visual dual system inspection shall be conducted by the Authority Having Jurisdiction and other authorities having jurisdiction to verify that no modifications were made, and that no cross-connections are visible as follows:

- (1) Meter locations of the reclaimed (recycled) water source and potable water lines shall be checked to verify that no modifications were made, and that no cross-connections are visible.
- (2) All pumps and equipment, equipment room signs, and exposed piping in equipment room shall be checked.
- (3) All valves shall be checked to ensure that the valve lock seals are still in place and intact. Valve control door signs shall be checked to verify that no signs have been removed.
- ~~(4) If the visual inspection indicates that the reclaimed (recycled) water supply system has been modified, a cross-connection test is required.~~

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to bring forward standards from Chapter 16A to Chapter 15, to consolidate recycled water codes into Section 1503, and to provide direction to test and to inspect recycled water supply systems.

After coordination with CBSC and HCD, DWR proposes to remove the first phrase to confine the language of this section to the content of a visual inspection. DWR proposes to add the clarifying adjectives of “visual” to the first sentence. DWR proposes to add language which clarifies that the visual inspection is looking for modifications to the systems which may then trigger a cross-connection test. DWR proposes to move item (4) to a more appropriate location at the end of item (2) in section 1503.13.2 to confine the language of this section to the content of a visual inspection.

The proposed amendment provides clarity to the code user.
There is no intended change in regulatory effect.

1503.13.2.4 Periodic Inspection. Periodic visual inspections of recycled water supply systems shall be required by the recycled water supplier or designee following the procedures in Section 1503.13.2.1. Pursuant to California Code of Regulations, Title 22 Section 60316, annual visual inspections shall be required for reclaimed (recycled) water supply systems use that are within or a part of buildings.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to bring forward a portion of Section 1620A.0(B) in Chapter 16A, regarding intervals of inspection and testing to detect cross-connections or improper use of recycled water.

After coordination with CBSC and HCD, DWR proposes to clarify the intent that annual inspections apply to systems within buildings regardless of where the recycled water is used, which is consistent with DWR’s authority provided in Water Code Section 13557.

The proposed amendment provides clarity to the code user.
There is no intended change in regulatory effect.

1503.15 Maintenance and Inspection. Recycled water supply systems and components shall be inspected and maintained in accordance with the manufacturer’s recommendations and/or as required by the Authority Having Jurisdiction and shall comply with Section 1503.15.4. The frequency of testing, inspection, and maintenance shall be in accordance with Table 1503.15. The required inspection and

maintenance shall be the responsibility of the property owner, unless otherwise required by the Authority Having Jurisdiction.

~~**1503.15.1 Method and Frequency.** *Recycled water supply systems and components shall be inspected and maintained in accordance with the manufacturer's recommendations and/or as required by the Authority Having Jurisdiction. The frequency of testing, inspection, and maintenance shall be in accordance with Table 1503.15.*~~

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to provide minimum standards for the inspection and maintenance of recycled water facilities. DWR also initially proposed to define minimum maintenance frequency. These sections are consistent with Sections 1501.5 and 1501.5.1 in Chapter 15 of the 2015 UPC, as well as to Sections 1501.5 and 1501.5.1 in Chapter 15 of the 2016 CPC.

After coordination with CBSC and HCD, DWR proposes to consolidate section 1503.15 and 1503.15.1 to eliminate repetitive language. Based on public comments indicating confusion regarding the responsibility for complying with this section and the referenced Table 1503.15, DWR proposes to add language indicating the property owner is responsible to inspect and maintain the water systems on their property, consistent with similar language in Section 1501.5.1.

The proposed amendment eliminates redundancy and provides clarity to the code user. There is no intended change in regulatory effect.

TABLE 1503.15
MINIMUM ALTERNATE RECLAIMED (RECYCLED) WATER SOURCE TESTING, INSPECTION, AND MAINTENANCE FREQUENCY

| <u>DESCRIPTION</u> | <u>MINIMUM FREQUENCY*</u> |
|---|--|
| <u><i>Inspect and clean filters and screens, and replace (where necessary).</i></u> | <u><i>Every 3 months.</i></u> |
| <u><i>Inspect pumps and verify operation.</i></u> | <u><i>After initial installation and every 12 months thereafter.</i></u> |
| <u><i>Inspect valves and verify operation.</i></u> | <u><i>After initial installation and every 12 months thereafter.</i></u> |
| <u><i>Inspect pressure tanks and verify operation.</i></u> | <u><i>After initial installation and every 12 months thereafter.</i></u> |
| <u><i>Clear debris from and inspect storage tanks, locking devices, and verify operation.</i></u> | <u><i>After initial installation and every 12 months thereafter.</i></u> |
| <u><i>Inspect caution labels and marking.</i></u> | <u><i>After initial installation and every 12 months thereafter.</i></u> |

** Note: Frequency is as described in this table, or more frequently as required by manufacturer's instructions and/or the Authority Having Jurisdiction.*

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to add Table 1503.15 to Chapter 15 to be consistent with the 2015 UPC. The proposed language specifies the frequency of testing, inspection, and maintenance with recycled water supply systems by the property owner to improve clarity.

After coordination with CBSC and HCD, DWR proposes to correct the title from alternate water to the

specific category of recycled water for clarification.

The proposed amendment provides clarity to the code user.
There is no intended change in regulatory effect.

1504.0 On-Site Treated Nonpotable ~~Gray~~ Gray Water Systems.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially inadvertently underlined the word “Gray” to Section 1504.0 as though this represented a change from the 2016 CPC. The word was already present in the title.

DWR proposes to correct formatting of the Express Terms so that the word “Gray” is not underlined.

The proposed amendment provides clarity to the code user.
There is no intended change in regulatory effect.

1504.4 Connections to Potable or Reclaimed (Recycled) Water Supply Systems. On-site treated nonpotable gray water systems shall have no unprotected direct connection to a potable water supply or ~~reclaimed (recycled) water source~~ supply system.

Exceptions:

- (1) Potable or reclaimed (recycled) water is permitted to be used as makeup water for a non-pressurized ~~nonpotable graywater~~ storage tank provided the makeup water supply inlet is protected by an air gap, ~~reduced-pressure principle backflow preventer or other physical device which prevents backflow~~ in accordance with this code.
- (2) A potable water supply may be connected temporarily for initial testing of the on-site treated nonpotable gray water system as provided in Section 1501.11.2.2.

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed language to prevent backflow of the on-site treated nonpotable gray water into the higher quality water line. This is required by the SWRCB in Title 17 of CCR to prevent contamination of the potable water supply.

After coordination with CBSC and HCD, DWR proposes to not add the adjective “nonpotable graywater” describing the storage tank. DWR proposes to use the defined term in “recycled water supply system”.

The proposed amendment eliminates redundancy and provides clarity to the code user.
There is no intended change in regulatory effect.

Authority: Water Code Section: 13557.

Reference(s): Water Code Sections: 13551, 13552.4, 13552.6, 13552.8, 13553, 13554, 13555.3. Health and Safety Code Sections: 8117, 8118.

4. DWR proposes to adopt the following section of Chapter 16 of the CCP as follows:

**CHAPTER 16
NONPOTABLE RAINWATER CATCHMENT SYSTEMS**

~~1602.4 Connections to Potable or Reclaimed (Recycled) Water Supply Systems.~~ Rainwater catchment systems shall have no unprotected direct connection to a potable water supply or alternate water source system.

Exceptions:

- ~~(1) Potable or reclaimed (recycled) water is permitted to be used as makeup water for a non-pressurized rainwater catchment system storage tank provided the potable or makeup reclaimed (recycled) water supply inlet connection is protected by an airgap or reduced pressure principle backflow preventer in accordance with this code.~~
- ~~(2) A potable water supply may be connected temporarily for initial testing of the rainwater catchment system.~~

Rationale for Change:

For the 45-day public comment period, which ended on May 1, 2017, DWR initially proposed to prevent backflow of the untreated rainwater into the higher quality water line. This is required by the SWRCB in Title 17, CCR to prevent contamination of the potable water supply.

DWR proposes to withdraw this section. This section may be revised in a future code adoption cycle.

The withdrawal will result in maintaining current regulation.
There is no intended change in regulatory effect.

Authority: Water Code Section: 13557.

Reference(s): Water Code Sections: 13557.